



## Federal Implementation Guideline for Electronic Data Interchange

**ASC X12 003060 Transaction Set 517G  
Material Obligation Validation  
(Government Furnished Material  
Validation)**

### Implementation Convention



U.S. DEPARTMENT OF COMMERCE  
Technology Administration  
National Institute of  
Standards and Technology

**T**he National Institute of Standards and Technology was established in 1988 by Congress to "assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries."

NIST, originally founded as the National Bureau of Standards in 1901, works to strengthen U.S. industry's competitiveness; advance science and engineering; and improve public health, safety, and the environment. One of the agency's basic functions is to develop, maintain, and retain custody of the national standards of measurement, and provide the means and methods for comparing standards used in science, engineering, manufacturing, commerce, industry, and education with the standards adopted or recognized by the Federal Government.

As an agency of the U.S. Commerce Department's Technology Administration, NIST conducts basic and applied research in the physical sciences and engineering, and develops measurement techniques, test methods, standards, and related services. The Institute does generic and precompetitive work on new and advanced technologies. NIST's research facilities are located at Gaithersburg, MD 20899, and at Boulder, CO 80303. Major technical operating units and their principal activities are listed below. For more information contact the Publications and Program Inquiries Desk, 301-975-3058.

---

### **Office of the Director**

- National Quality Program
- International and Academic Affairs

### **Technology Services**

- Standards Services
- Technology Partnerships
- Measurement Services
- Technology Innovation
- Information Services

### **Advanced Technology Program**

- Economic Assessment
- Information Technology and Applications
- Chemical and Biomedical Technology
- Materials and Manufacturing Technology
- Electronics and Photonics Technology

### **Manufacturing Extension Partnership Program**

- Regional Programs
- National Programs
- Program Development

### **Electronics and Electrical Engineering Laboratory**

- Microelectronics
- Law Enforcement Standards
- Electricity
- Semiconductor Electronics
- Electromagnetic Fields<sup>1</sup>
- Electromagnetic Technology<sup>1</sup>
- Optoelectronics<sup>1</sup>

### **Chemical Science and Technology Laboratory**

- Biotechnology
- Physical and Chemical Properties<sup>2</sup>
- Analytical Chemistry
- Process Measurements
- Surface and Microanalysis Science

### **Physics Laboratory**

- Electron and Optical Physics
- Atomic Physics
- Optical Technology
- Ionizing Radiation
- Time and Frequency<sup>1</sup>
- Quantum Physics<sup>1</sup>

### **Materials Science and Engineering Laboratory**

- Intelligent Processing of Materials
- Ceramics
- Materials Reliability<sup>1</sup>
- Polymers
- Metallurgy
- NIST Center for Neutron Research

### **Manufacturing Engineering Laboratory**

- Precision Engineering
- Automated Production Technology
- Intelligent Systems
- Fabrication Technology
- Manufacturing Systems Integration

### **Building and Fire Research Laboratory**

- Structures
- Building Materials
- Building Environment
- Fire Safety Engineering
- Fire Science

### **Information Technology Laboratory**

- Mathematical and Computational Sciences<sup>2</sup>
- Advanced Network Technologies
- Computer Security
- Information Access and User Interfaces
- High Performance Systems and Services
- Distributed Computing and Information Services
- Software Diagnostics and Conformance Testing

---

<sup>1</sup> At Boulder, CO 80303.

<sup>2</sup> Some elements at Boulder, CO.

# **Federal Implementation Guideline for Electronic Data Interchange**

## **ASC X12 003060 Transaction Set 517G Material Obligation Validation (Government Furnished Material Validation)**

### **Implementation Convention**

Electronic Commerce Acquisition Program Management Office  
Standard Management Committee - Secretariat  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

August 1998



**U.S. DEPARTMENT OF COMMERCE**  
**William M. Daley, Secretary**

**Technology Administration**  
**Gary R. Bachula, Acting Under Secretary for Technology**

**National Institute of Standards and Technology**  
**Raymond G. Kammer, Director**

## **Reports on Information Technology**

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

**National Institute of Standards and Technology Special Publication 881-73**  
**Natl. Inst. Stand. Technol. Spec. Publ. 881-73, 21 pages (Aug. 1998)**  
**CODEN: NSPUE2**

**U.S. GOVERNMENT PRINTING OFFICE**  
**WASHINGTON: 1998**

---

# 517 Material Obligation Validation

Functional Group ID=**MV**

## Introduction:

This Draft Standard for Trial Use provides the format and establishes the data contents of the Material Obligation Validation Transaction Set (517) for use within the context of an Electronic Data Interchange (EDI) environment. The material obligation validation transaction set may be used to: (1) verify the continued need for open orders, (2) confirm open order quantities and order priority, (3) request reinstatement of erroneously cancelled open orders, and (4) validate Government Furnished Material (GFM) orders. The transaction set may convey a description of the material, the urgency of need associated with the transaction and quantity of required material. This transaction set is bi-directional between trading partners.

## Notes:

- 1. Supply sources use this transaction set to request the validation of Government Furnished Material (GFM) requisitions received from a commercial contractor. Management Control Activities (MCAs) use this transaction set to respond to GFM validation requests.*
- 2. Use a single occurrence of this transaction set to exchange single or multiple GFM validations either between a single supply source and a single or multiple MCAs or between a single MCA and a single or multiple supply sources.*
- 3. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and Accounting Classification Appendix which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.*

## Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BR	Beginning Segment for Material Management	M	1		
Not Used	030	G62	Date/Time	O	10		
LOOP ID - LM						10	
Not Used	040	LM	Code Source Information	O	1		
Not Used	050	LQ	Industry Code	M	100		
LOOP ID - N1						>1	
Must Use	060	N1	Name	O	1		
Not Used	070	N2	Additional Name Information	O	2		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	G61	Contact	O	5		

## Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - QTY						>1	
Must Use	010	QTY	Quantity	O	1		
Must Use	020	N9	Reference Identification	O	30		

## 517G - Material Obligation Validation (Government Furnished Material Validation)

	030	AT	Financial Accounting	O	>1
Must Use	040	G62	Date/Time	O	30
Not Used	050	DD	Demand Detail	O	100
	060	GF	Furnished Goods and Services	O	1
LOOP ID - LM					10
	070	LM	Code Source Information	O	1
Must Use	080	LQ	Industry Code	M	100
LOOP ID - N1					>1
Must Use	090	N1	Name	O	1
Not Used	100	N2	Additional Name Information	O	2
Not Used	110	N3	Address Information	O	2
Not Used	120	N4	Geographic Location	O	1
Not Used	130	G61	Contact	O	5
Must Use	140	SE	Transaction Set Trailer	M	1



**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 517 X12.230 Material Obligation Validation Transaction set for verifying the continued need for open orders. Can also be used to confirm open order quantities and request reinstatement of previously cancelled open orders	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	M AN 4/9

**Segment: BR Beginning Segment for Material Management****Position:** 020**Loop:****Level:** Heading**Usage:** Mandatory**Max Use:** 1**Purpose:** To indicate the beginning of a material management transaction and transmit identifying numbers and dates

- Syntax Notes:**
- 1 If BR05 is present, then BR04 is required.
  - 2 If either BR07 or BR08 is present, then the other is required.
  - 3 If either BR10 or BR11 is present, then the other is required.

- Semantic Notes:**
- 1 BR03 is the date of the transaction set preparation.
  - 2 BR09 is the time of the transaction set preparation

**Comments:****Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BR01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set	M ID 2/2
			00 Original	
			77 Simulation Exercise	
			<i>Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.</i>	
Must Use	BR02	640	<b>Transaction Type Code</b> Code specifying the type of transaction	M ID 2/2
			GA Government Furnished Material Inquiry Advice A response from a Material Control Activity (MCA) to a supply source validating the authority to process a requisition as Government Furnished Material under the terms of a stipulated contract	
			<i>Use to respond to a GFM validation inquiry.</i>	
			GI Government Furnished Material Inquiry A request from a supply source to a Material Control Activity (MCA) to validate that a requisition can be processed as Government Furnished Material under the terms of a stipulated contract	
			<i>Use to request the validation of GFM requisitions.</i>	
Must Use	BR03	373	<b>Date</b> Date (YYMMDD)	M DT 6/6
			<i>This date corresponds to the Universal Time Coordinate (UTC).</i>	
Not Used	BR04	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/20
Not Used	BR05	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	O ID 1/2
Not Used	BR06	306	<b>Action Code</b> Code indicating type of action	O ID 1/2
Not Used	BR07	128	<b>Reference Identification Qualifier</b>	X ID 2/3



			Code qualifying the Reference Identification	
Not Used	BR08	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	BR09	337	<b>Time</b>	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			<i>1. Express the originating activity's time in UTC.</i>	
			<i>2. Express time in a four-position (HHMM) format.</i>	
Not Used	BR10	128	<b>Reference Identification Qualifier</b>	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	BR11	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **N1** Name  
**Position:** 060  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.  
**Notes:** *Must use this 1/N1/060 loop to identify the organization originating the transaction set.*

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual <i>Use one of codes Z4, Z5, or ZK.</i>	M ID 2/2
			Z4 Owing Inventory Control Point An inventory control organization responsible for management of a particular item	
			Z5 Management Control Activity Department of Defense organization that oversees contractor requests for government-owned material to be supplied for use in support of government contracts	
			ZK Reporter <i>Use to identify the organization accomplishing actions on behalf of the customer.</i>	
Not Used	N102	93	Name Free-form name	X AN 1/35
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			10 Department of Defense Activity Address Code (DODAAC)	
			M4 Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	Identification Code Code identifying a party or other code	X AN 2/20
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O ID 2/2
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual FR Message From <i>Must use with the appropriate 1/N101/060 code to indicate that the organization cited in N104 is</i>	O ID 2/2

*originating the transaction set.*

**Segment:** QTY Quantity  
**Position:** 010  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Must use this 2/QTY/010 loop to identify the individual GFM transactions and associated quantities.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity	M ID 2/2
			38 Original Quantity <i>Use for validation inquiry transactions to identify the quantity cited in the requisition.</i>	
			QA Quantity Approved Quantity allowed by the company processing the claim <i>Use for validation advice transactions to identify the quantity validated and approved for issue.</i>	
			QC Quantity Disapproved <i>Use for validation advice transactions to disapprove the entire quantity cited in the GFM validation inquiry.</i>	
Must Use	QTY02	380	Quantity Numeric value of quantity <i>Express the quantity as a whole number with no decimal.</i>	M R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) <i>Use to identify the unit of issue for the material validated. DLMS and FEDSTRIP users see the Unit of Issue and Purchase Unit Conversion Table for Available codes.</i>	O
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
Not Used	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2

Not Used	C00108	1018	<b>Exponent</b> Power to which a unit is raised	<b>O R 1/15</b>
Not Used	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O R 1/10</b>
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>O ID 2/2</b>
Not Used	C00111	1018	<b>Exponent</b> Power to which a unit is raised	<b>O R 1/15</b>
Not Used	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O R 1/10</b>
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>O ID 2/2</b>
Not Used	C00114	1018	<b>Exponent</b> Power to which a unit is raised	<b>O R 1/15</b>
Not Used	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	<b>O R 1/10</b>



**Segment:** **N9** **Reference Identification**

**Position:** 020

**Loop:** QTY Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 30

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**

**Notes:** *Must use multiple repetitions to identify the material and transaction number associated with the transaction.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification <i>Use one of codes 1I, EQ, FQ, MF, NS, S6, WL, or XD to identify the material associated with the transaction. Must use the National Stock Number (NSN) when known.</i>	M ID 2/3
			1I Department of Defense Identification Code (DoDIC) Qualifies a code that uniquely identifies a type of explosive or ammunition <i>Use to identify ammunition items.</i>	
			EQ Equipment Number <i>Use to identify plant equipment.</i>	
			FQ Form Number <i>Use to identify the form stock number.</i>	
			MF Manufacturers Part Number <i>Use to identify nonstandard material.</i>	
			NS National Stock Number <i>Must use the NSN when known.</i>	
			S6 Stock Number <i>Use to identify the publication stock number.</i>	
			TN Transaction Reference Number <i>Must use to identify the transaction number for each transaction.</i>	
			WL Federal Supply Classification Code <i>Use to identify the FSC for nonstandard material when a part number is not available and material can only be ordered by description (e.g., non-NSN lumber products).</i>	
			XD Subsistence Identification Number Item identifier is a brand-name resale subsistence item <i>Use to identify subsistence items.</i>	
Must Use	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	N903	369	Free-form Description	X AN 1/45

			Free-form descriptive text	
Not Used	N904	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
Not Used	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Must Use	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
			PG Product Group <i>Use with N901 code WL to identify the material name or description.</i>	
			W7 Commercial and Government Entity (CAGE) Code Code that identifies a commercial contractor authorized to do business with the U.S. Government <i>Use with N901 code MF to uniquely identify a manufacturer's part number.</i>	
			W8 Suffix Differentiates between partial actions taken on the original transaction <i>Use with N901 code TN to identify the transaction number suffix.</i>	
Must Use	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **AT** Financial Accounting  
**Position:** 030  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To transmit financial accounting data  
**Syntax Notes:** 1 If AT10 is present, then AT01 is required.  
**Semantic Notes:**  
**Comments:** 1 AT09 identifies unique local activity financial accounting information.  
**Notes:** 1. *Use multiple repetitions to identify the fund purpose code, appropriations, and/or fund codes for goods, services, and related adjustments.*  
2. *DLMS users see the Accounting Classification Data Appendix for specific data entries for AT02, AT07 and AT09.*

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AT01	1271	<b>Industry Code</b> Code indicating a code from a specific industry code list <i>Use any code except "CR" or "DR".</i>	X AN 1/30
	AT02	1282	<b>Treasury Symbol Number</b> Number identifying a department, fiscal year, treasury account number, and appropriation limit for a standard accounting classification coding structure <i>Use to identify the basic appropriation number.</i>	O AN 7/21
	AT03	1283	<b>Budget Activity Number</b> Number identifying an administrative subdivision of funds against which a transaction is to be charged for a standard accounting classification coding structure <i>Use to identify the fund code.</i>	O AN 1/16
Not Used	AT04	1284	<b>Object Class Number</b> Number identifying the nature of the goods or services acquired and a specific office or organization using resources for a standard accounting classification coding structure	O AN 3/12
Not Used	AT05	1285	<b>Reimbursable Source Number</b> Number identifying the source of an appropriation or fund reimbursement for a standard accounting classification coding structure	O AN 1/3
Not Used	AT06	1286	<b>Transaction Reference Number</b> Number identifying an original request for goods and services to the matching financial transaction for a standard accounting classification coding structure	O AN 4/20
	AT07	1287	<b>Accountable Station Number</b> Number identifying an office responsible for entering a financial transaction into the applicable accounting system for a standard accounting classification coding structure <i>Use AT07 to identify the Authorized Accounting Activity (AAA)/ Accounting Disbursing Station Number (ADSN)/Fiscal Station Number (FSN).</i>	O AN 3/8
Not Used	AT08	1288	<b>Paying Station Number</b> Number identifying an office responsible for making a payment or collection and the corresponding voucher number under which the action was taken for a standard accounting classification coding structure	O AN 8/14
	AT09	352	<b>Description</b> A free-form description to clarify the related data elements and their content <i>Cite the supplemental accounting classification data.</i>	O AN 1/80
Must Use	AT10	1270	<b>Code List Qualifier Code</b>	O ID 1/3

Code identifying a specific industry code list

FP

Fund Purpose

**Segment:** **G62** **Date/Time**  
**Position:** 040  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 30  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

**Semantic Notes:**  
**Comments:**  
**Notes:** *Must use this 2/G62/040 segment to identify dates associated with the inquiry and reply.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	G6201	432	<b>Date Qualifier</b> Code specifying type of date	X ID 2/2
			64 Must Respond By <i>Use to indicate the response due date.</i>	
			BB Transaction Control Date The date when a transaction was prepared <i>Use to indicate the GFM validation request date.</i>	
			BE Validated The date when material obligations were verified <i>Use to indicate the GFM response validation date.</i>	
Must Use	G6202	373	<b>Date</b> Date (YYMMDD)	X DT 6/6
Not Used	G6203	176	<b>Time Qualifier</b> Code specifying the reported time	X ID 1/2
Not Used	G6204	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	G6205	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
	G6206	624	<b>Century</b> The first two characters in the designation of the year (CCYY)	O N0 2/2



**Segment:** **GF** **Furnished Goods and Services**  
**Position:** 060  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify information related to furnished material, equipment, property, information, and services  
**Syntax Notes:** 1 If either GF01 or GF02 is present, then the other is required.  
2 If either GF05 or GF06 is present, then the other is required.  
3 If either GF08 or GF09 is present, then the other is required.  
**Semantic Notes:** 1 GF04 is the value of government-furnished property.  
**Comments:**  
**Notes:** 1. Use in validation inquiry transactions only.  
2. Use either the Manufacturing Directive Number (MDN) or contract number (but not both) to identify the procurement source from which the commercial contractor is authorized to requisition material from DoD inventories.

## Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
GF01	128	Reference Identification Qualifier Code qualifying the Reference Identification W3 Manufacturing Directive Number Identifies the Management Control Activity and contract associated with government furnished material transactions	X ID 2/3
GF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
GF03	367	Contract Number Contract number	O AN 1/30
Not Used	GF04	782 Monetary Amount Monetary amount	O R 1/15
Not Used	GF05	128 Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	GF06	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
GF07	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction <i>Use to identify the call or order number, or the call or order number including the respective call or order modification number when using GF03.</i>	O AN 1/30
Not Used	GF08	128 Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	GF09	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **LM** **Code Source Information**  
**Position:** 070  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit standard code list identification information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 LM02 identifies the applicable industry code list source information.  
**Notes:** *Must use the 2/LM/070 loop to identify coded information maintained in department or agency documentation.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

**Segment:** **LQ** **Industry Code**  
**Position:** 080  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100  
**Purpose:** Code to transmit standard industry codes  
**Syntax Notes:** 1 If LQ01 is present, then LQ02 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use to identify codes, as appropriate, consistent with management information requirements.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LQ01	1270	Code List Qualifier Code Code identifying a specific industry code list <i>Use either Code 80 or 81 in validation advice transactions. Use only Code 81 in validation inquiry transactions.</i>	O ID 1/3
			0 Document Identification Code Codes that subclassify a transaction	
			78 Project Code Codes that relate a transaction to special programs, exercises, projects, operations, or other purposes	
			79 Priority Designator Code The priority of a transaction	
			80 Advice Code Instructions to transaction recipients when narratives cannot be transmitted	
			81 Status Code Informs appropriate recipients about the status of a transaction or excess report	
			A9 Supplementary Address Identifies the originating organization's unique logistics information	
			AK Distribution Code Code identifying activities eligible to receive additional status	
			DE Signal Code	
			DF Media and Status Code	
Must Use	LQ02	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/30

**Segment:** **N1** Name  
**Position:** 090  
**Loop:** N1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.  
**Notes:** *Must use this 2/N1/090 loop to identify the organization to receive the transaction set.*

## Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			Z4	Owning Inventory Control Point
				An inventory control organization responsible for management of a particular item
			Z5	Management Control Activity
				Department of Defense organization that oversees contractor requests for government-owned material to be supplied for use in support of government contracts
			ZK	Reporter
				<i>Use to identify the organization accomplishing actions on behalf of the customer.</i>
Not Used	N102	93	Name	X AN 1/35
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1	D-U-N-S Number, Dun & Bradstreet
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
			10	Department of Defense Activity Address Code (DODAAC)
			M4	Department of Defense Routing Identifier Code (RIC)
				An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions
Must Use	N104	67	Identification Code	X AN 2/20
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
	N106	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			TO	Message To
				<i>Must use with the appropriate 2/N101/090 code to indicate the organization cited in N104 is receiving the transaction.</i>

**Segment:** **SE** Transaction Set Trailer

**Position:** 140

**Loop:**

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	<b>M N0 1/10</b>
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Cite the same number as the one cited in ST02.</i>	<b>M AN 4/9</b>









# *NIST* Technical Publications

## *Periodical*

---

**Journal of Research of the National Institute of Standards and Technology**—Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

## *Nonperiodicals*

---

**Monographs**—Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

**Handbooks**—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

**Special Publications**—Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

**National Standard Reference Data Series**—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published bimonthly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW, Washington, DC 20056.

**Building Science Series**—Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

**Technical Notes**—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

**Voluntary Product Standards**—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program in support of the efforts of private-sector standardizing organizations.

*Order the following NIST publications—FIPS and NISTIRs—from the National Technical Information Service, Springfield, VA 22161.*

**Federal Information Processing Standards Publications (FIPS PUB)**—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

**NIST Interagency or Internal Reports (NISTIR)**—The series includes interim or final reports on work performed by NIST for outside sponsors (both government and nongovernment). In general, initial distribution is handled by the sponsor; public distribution is handled by sales through the National Technical Information Service, Springfield, VA 22161, in hard copy, electronic media, or microfiche form. NISTIR's may also report results of NIST projects of transitory or limited interest, including those that will be published subsequently in more comprehensive form.

U.S. Department of Commerce  
National Institute of Standards  
and Technology  
Gaithersburg, MD 20899-0001

Official Business  
Penalty for Private Use \$300